Work Orde September-17-12		87			Page 1								
Item ID: Revision ID:	D2010-104	AMBADA AM		Security Sec	A	Accept	*N900	040	100)* s	etup Start	*N	S1*
	Mirror Arm 369	9/500			10						Stop	*N	S2*
Start Date: Required Date: Reference:		Start Qty Req'd Qt			*5* *5*		Cust Item 1 Customer:	ID:					in The 198 gas.
Approvals:	Process Plan	: ML		Date: \	12-09-17	Tooling:	D	ate:		R	un Start	*N	R1*
. 77	QC:					SPC (Y/N):		ate:	•		Stop	*N	R2*
Sequence ID/ Work Center II		Operation Description				Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty		Reject Number	Insp. Stamp
Draw Nbr	Revis	sion Nbr	- 1										A
D2010	Rev I)						Ĩ.					PI
100		-				0.00		·					
100 Brake NC		NC BRAKE	Memo	-	•	0.00				10	_SAD		11-08
Brake NC					104 and Spec Co	ontrol Dwg D2727		,	,				
*110 *110*		Small Fab				0.00				10	FF		2-11-13
Small Fab Small Fab			Memo 1- Bend as 2- Deburr e		10 using bendir	0.00 ng Jig D2010-104T2			• •				
120						0.00	Marie Control						
120		Small Fab				0.00				7	F	13	-02-1
Small Fab		•	Memo			0.00	*						
Small Fab	•				plug as per dwg per Dwg D2010							•	

NCR:	Yes	1	No

WORK ORDER NON-CONFORMANCE / UPDATE

la 1-	•	,	
DQACHUTZ	Date:		
	12/1/2/1/	1 .	
Closed:	Date:)3/3	/1/	

g									QA Closea:	Date:	1774		
Work Order:	92)28	7		DISPOSITION	AGAINST DEPARTMENT/PROCESS							
I					Rework		Skid-tube	Crosstube	Water Jet Engineering				
Part No	<u>020</u>	10 -	(04		Scrap		Machining	Prod. Eng. Coor. Quality					
	10	^ / 1	1.		Use-as-is	The	ermoforming	Finishing	Rec/Sto	re/Packaging	Other		
NCR No.	. 13	<u> 136</u>	<u> </u>		Work Order Update]	Large Fab	Composite		Supplier			
	T				<u> </u>		1			<u></u>			
Root	D	Ct.		ł	ption of work order update	Initia	1	ction	Sign &		001		
Cause	Date	Step	Qty	· · · · · ·	or Non-conformance	Chief E	ng Des	scription	Date	Verification	QC Inspector		
Doc/Data	-			0		OAS		place protor to Dia + tholus		_	OAS		
Equip/Tooling	-			2 /3	p méterial ruong for 1 was in	16	Samp	, a deily	SB		16 %-6		
Operator Material	Block	100	8	Scran	s malerial	3-2		· -		136			
Setup	- '			were	- more	0570	12 NOV	iplaer	13/02/25	¥-62	13/2/28		
Other					, · · · · · · · · · · · · · · · · · · ·	3/2/	16			240	052012		
Process	1			K.r. Wa	torial was en	\/	inform or	verator b	SAD	0AS 16	0,242		
Supplier	†			W037 8	slot + operator	1	Chile mot	Dig + + Actus	J/7/J	64			
Training	┪ !			Dart	nem before		bilore Rese	k 500.	13/02/2	313/25			
Unapproved	1				Jus / Sie stor eins			21013					
<u> </u>	_L	l		137.77			TEGORY	11. 8	1	L.,			
Landing	Gear				General		,						
	Bending				Bend	Gra	n	/ \3" \	Ovalized		Pressure/Forced		
	Centre No	ot Conce	ntric to	o/s	BOM/Route	Hard	lware g	# 681	Over/Under	tolerance	Temperature/Cure		
	Cracks				Broken/Damaged	Insp	ection Incomplete		Part Incorre	ct	Weld		
	Crushed/0	Crimped.			Burrs	Instr	uctions Incomplete	e/Unclear	Part Lost/M	issing	Wrong Stock Pulled		
	Cuffs				Contamination	Mai	ntenance 🔍		Part Moved		···		
	Heat Trea			Countersink	Misl	abeled		Positioned \	Vrong	_			
Inspection Strip in Tube Cut Too Short					Cut Too Short	Misr	ead		Power Loss/	Surge	Other		
Ripples in Bend Drill Holes					Offs	et		XBR	som inform				
	Torque Waves in Extrusion Drawing					Out of Calibration winterial near lack lack too							
	Turning S	•		_	Finish	Out	of Sequence						
	Wave/Twist in Tube Folio						side Dimensions						

Work Ord September-17-1					Page 2						
Item ID: Revision ID: Item Name:	D2010-104 Mirror Arm 3	69/500		Accept	*N900	040	100)* s	etup Start Stop	ıv.	S1* S2*
Start Date: Required Date: Reference:	9/17/12 10/05/12	Start Qty: 5.00 Req'd Qty: 5.00	*5* *5*		Cust Item I Customer:	D:				ı u.	
Approvals:		an:				ate:		R	tun Start Stop	" [7]	R1* R2*
Sequence ID/ Work Center II 130 *120* QC Quality Control	D	Operation Description QC5- Inspect part compl	eteness to step on W/O	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
*140 *140* Powdercoat Powder Coating		Black Sandtex(Ref.4.3.5 MEMO START TIM OVEN TEM FINISH TIM	442	0.00				2	\$	BL 12	1-2-DE
150 *150* QC Quality Control		QC3- Inspect Part Finish Memo	1	0.00 S	m) 26			Ç			

										DQA:	Date:	
NCR:	Yes / No	ı			WORK ORDER NON-O	O	NFORM	MANCE / UP	DATE	QA Closed:	 Date:	·
Work Orde	or·				DISPOSITION				AGAINST DE			
Part N	No				Rework Skid-tube Crosstube Machining Small Fab Use-as-is Thermoforming Finishing Composite				Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other		
Root				Descri	ption of work order update	1	nitial	Ac	tion	Sign &		
Cause	Date	Step	Qty	(or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved					E	A111	T CATE	SORV				
Landi	ng Gear				General	AUL	.I CATE	JONT				
Bending Centre Not Concentric to O/S Cracks Crushed/Crimped. Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend			0/\$	Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes	Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled Misread Offset			Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned V Power Loss/	ct issing Vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other		
Torque Waves in Extrusion					Drawing	Out of Calibration						

Out of Secuence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Finish

Folio

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Work Ord September-17-12				*902				Page 3			
Item ID: Revision ID: Item Name:	D2010-104 Mirror Arm 3			Accept	*N900	040	100)* 5	Setup Sta	1 7	S1* S2*
Start Date: Required Date: Reference:	9/17/12 10/05/12	Start Qty: 5.00 Req'd Qty: 5.00	*5* *5*		Cust Item I Customer:	D:				. •	• • • • • • • • • • • • • • • • • • • •
Approvals:	Process Pl	an:	Date:	Tooling: SPC (Y/N):	Date:]	Run Sta Sto	" \	R1* R2*
Sequence ID/ Work Center II	D	Operation Description Identify as per dwg & Ste	ock Location:	Set Up/ Run Hours 0.00	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160 Packaging Packaging		Memo		0.00				9x	,		B-3

170

QC21- Final Inspection - Work Order Release

0.00

*17**0***

Memo

0.00

Quality Control

13/2/28 94) MF (3-2-28

NCR:	Yes	1	No	

										DQA:	Date:				
NCR:	· · · · · · · · · · · · · · · · · · ·														
										QA Closed:	Date:				
Vork Ord	or.					DISPOSITION			AGAINST D	EPARTMENT/	PROCESS				
VOIR OTA	-					Rework	1		Sk d-tube Crosstube		Water Jet	Engineering			
Part I	No.		,			Scrap]]		Machining Small Fab		d. Eng. Coor.	Quality			
NCR I	No.		· 1994 - 1.			Use-as-is Work Order Update			noforming Finishing Large Fab Composite	Rec/Stor	e/Packaging Supplier	Other			
Root					Descri	ption of work order update	П	nitial	Action	Sign &					
Cause		Date	Step	Qty		or Non-conformance	Ch	ief Eng	Description	Date	Verification	QC Inspector			
oc/Data															
uip/Tooling		•													
perator							ĺ								
aterial	ļ														
etup															
ther	-														
ocess	\vdash														
pplier	$\vdash\vdash$														
raining											1				
napproved			<u> </u>				-LUI	T CATE	GORY	<u> </u>	<u> </u>				
Landi	ng G	 Gear				General									
		Bending				Bend		Grain		Ovalized		Pressure/Forced			
		Centre No	ot Concer	ntric to (o/s	BOM/Route		Hardwa	re have	Over/Under	tolerance	Temperature/Cure			
	Г	Cracks				Broken/Damaged		Inspect	ion Incomplete	Part Incorre	ct	Weld			
		Crushed/0	Crimped.	•		Burrs	Г	Instruct	tions Incomplete/Unclear	Part Lost/M	issing	Wrong Stock Pulled			
	Cuffs Contamination							Mainte	enance	Part Moved		-			
		Heat Trea	it			Countersink		Mislabe	eled	Positioned V	Vrong	_			
		Inspection	n Strip in	Tube	. [Cut Too Short		Misrea	d [Power Loss/	Surge	Other			
		Ripples in	Bend			Drill Holes		Offset							
		Torque W	aves in E	Extrusio	1 [Drawing		Out of	Calibration						
		Turning So	equence	!		Finish		Out of	Sequence						
		Wave/Tw	ist in Tuk	be		Folio	Outside Dimensions								

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Picklist Print

September-17-12 8:39:05 AM

Work Order ID:

90287

Parent Item:

D2010-104

Parent Item Name:

Mirror Arm 369/500

Start Date: 9/17/12

Required Date: 10/05/12

Page 1

Start Qty: 5.00

Required Qty: 5.00

Comments:

IPP A04.02.17New issueKJ/JLM

IPP Rev:B 08-05-27 as per ECN1195P DD verified by:EC IPP Rev:C 08-06-20 rev.D as per dwg DD verified by:EC

Component Item ID/ tem Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	-	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
4304TR0.500W.049		Purchased	No		A	100	f	183.9311	1.5	7.894737		20.2	
04 RD Tube .500 x .049V	V									**************************************		>131)_1 <u>2</u>	11-08
				Location	V	Loc Qty	<u>Lo</u>	c Code					
				MAT017	117598 💥	183.93111			1.0	5			
				1	11814	2.23							
				. 1	15010	109.254058			12	22			
					19087	7.359			_	·			
				I	20633	65.088052			<u>45</u> .	1.5			
2057		Manufactured	No			110	Each	10.0000	1	5		E13	-0Z
lug											-I		
				Location		Loc Oty	<u>Lo</u>	c Code	2.1	16			
				GA		7	A	5 867.	¹⁹				
				. 3	<u>507</u> 0	7				_ X		•	
				ST004		3			<u> </u>				
					1888								

										DQA:	Date:	
NCR: Yes	/ No				WORK ORDER NON-C	ON	IFORN	/ANCE / UP		QA Closed:	Date:	*
Work Order:				120	DISPOSITION AGAINS					PARTMENT	PROCESS	
Part No. NCR No.					Rework Scrap Use-as-is Work Order Update	Scrap Mach Use-as-is Thermofor			Skid-tube Crosstube Water Jet Machining Small Fab Prod. Eng. Coor. Thermoforming Finishing Rec/Store/Packaging Large Fab Composite Supplier			
Root Cause	Date	Step	Qty		ption of work order update or Non-conformance		nitial ief Eng		tion ription	Sign & Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process				ů,				-				·

Grain Ovalized Pressure/Forced Bending Bend BOM/Route Centre Not Concentric to O/S Hardware Over/Under tolerance Temperature/Cure Broken/Damaged Weld Cracks Inspection Incomplete Part Incorrect Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pulled Cuffs Contamination Maintenance Part Moved Mislabeled Positioned Wrong Heat Treat Countersink Power Loss/Surge Other Inspection Strip in Tube Cut Too Short Misread Drill Holes Offset Ripples in Bend Out of Calibration Torque Waves in Extrusion Drawing Turning Sequence Out of Sequence Finish Wave/Twist in Tube Folio Outside Dimensions

FAULT CATEGORY

General

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Supplier Training Unapproved

Landing Gear







